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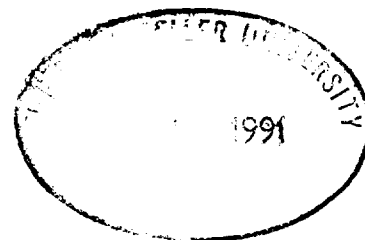
DEPARTMENT OF MATHEMATICS   DAVIS, CALIFORNIA 95616-8633

September 6, 1991

Dr. Joshua Lederberg
The Rockfeller University
1230 York Ave.
New York, NY 10021-6399

Dear Joshua:

     Sorry it has been so long for my reply to your letters. I
have been ill and sometimes even replying to letters seems to be
more than I can handle.

     I was glad to get your second letter pointing out the
Hamiltonian circuit in the "Buckyball". I was going to point out
that the pictures on the xerox copy you sent me about soccerang
show a Hamiltonian circuit in the very same polytope.

     You asked about other trivalent polyhedra with minimal face
size 5. I have enclosed a photocopy of the cyclically
5-connected 3-polytopes with up to 32 vertices (they all have
HC's).

     Thanks for the article on "Buckyballs", this was new to me
and it sounds very exciting.

     I hope all is well with you.

                                        Best regards,

                                        David

                                        David Barnette

DWB:cp

I am very sorry to learn of your illness. I hope you
will be recovering soon.

The photocopy was not in this envelope. If it is
following, ignore; else could you send it on?
                                                   Best wishes